

1 WHAT IS CLAIMED IS:

2 1. An automobile transmission for transmitting driving
3 force of an engine to wheels while changing a rotation speed of
4 a crankshaft of said engine, comprising:

5 a main shaft connected with said crankshaft through
6 a clutch and having a plurality of first drive gears;

7 a counter shaft provided below and in parallel with
8 said main shaft and having first driven gears meshing with said
9 first drive gears and having a second drive gear;

10 a drive shaft provided below and in parallel with said
11 counter shaft and having a second driven gear meshing with said
12 second drive gear;

13 a front differential provided at a front end of said
14 drive shaft;

15 a transmission case for accommodating said main shaft,
16 said counter shaft, said drive shaft and said front differential;
17 and

18 a space formed in a front part of said transmission
19 case.

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21 2. The transmission according to claim 1, further
22 comprising:

23 a center differential provided at a rear end of said
24 counter shaft for distributing a driving force into one for front
25 wheels and one for rear wheels; and

1 an extension case connected with a rear end of said
2 transmission case for accommodating said center differential.

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4 3. The transmission according to claim 2, further
5 comprising;

6 a sub transmission accommodated in said space for
7 transmitting driving force of said engine to said main shaft
8 through said counter shaft while reducing said rotation speed
9 of said engine.

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11 4. The transmission according to claim 1, wherein
12 said transmission case comprises a plurality of
13 dividable members each of which has a cylindrical configuration
14 longitudinally extending.

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16 5. The transmission according to claim 1, wherein
17 said counter shaft is offset in one widthwise direction
18 with respect to said main shaft and said drive shaft is offset
19 in the other widthwise direction with respect to said main shaft.

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21 6. The transmission according to claim 3, wherein
22 said sub transmission includes reduction gears mounted
23 on said main shaft and said counter shafts.